

AMENDMENTS TO THE SPECIFICATION

Please delete the paragraph on page 37, lines 8-34 and replace it with the following paragraph:

Use of the CFTR chip

Procedure

Materials and methods: Hybridization conditions

Hybridization of oligonucleotides and chip

A sample prepared from a mixture of:
nonmutated (wild-type or wt) oligonucleotides labeled with a Cy3 fluorophore, and
mutated (or mut) oligonucleotides labeled with a Cy5 fluorophore
was hybridized on a chip:

AAATATCATCTTTGGTGTTTCCTA-Cy3 (ΔF508-wt) (**SEQ ID NO: 24**)

AAAATATCATTTGGTGTTTCCTATG-Cy5 (ΔF508-mut) (**SEQ ID NO: 25**)

CATTCTGTTCTCAGTTTTTCCT-Cy3 (Q493X-wt) (**SEQ ID NO: 26**)

CATTCTGTTCTTAGTTTTTCCT-Cy5 (Q493X-mut) (**SEQ ID NO: 27**)

AATATACTTGGAGAAGGT-Cy3 (G542X-wt) (**SEQ ID NO: 28**)

ACCTTCTCAAAGTATATT-Cy5 (G542X-mut) (**SEQ ID NO: 29**)

AGGTCAACGAGCAAGAA-Cy3 (R552X-wt) (**SEQ ID NO: 30**)

AGGTCAATGAGCAAGAA-Cy5 (R552X-mut) (**SEQ ID NO: 31**)

TGAGTGGAGGTCAACGA-Cy3 (G551D-wt) (**SEQ ID NO: 32**)

TGAGTGGAGATCAACGA-Cy5 (G551D-mut) (**SEQ ID NO: 33**)